

US CLAIMS

1. Articulated junction device between a suspended structure and a load bearing structure, in which the device comprises a hinge pin, at least one first part installed in the suspended structure so as to be able to rotate about a first axis and a second part installed in the load bearing structure so as to be able to rotate about a second axis, the hinge pin passing through the first part and the second part, the first axis and the second axis being parallel to each other and offset from each other.

2. Articulated junction device according to claim 1, in which rotation prevention means are provided between the hinge pin and each of the first and second parts, so as to prevent any relative rotation between them.

3. Articulated junction device according to claim 1, in which the suspended structure is in the form of a U-shaped clevis comprising two plates parallel to each other between which the load bearing structure is placed, a first part being fitted in each of the plates of the suspended structure.

4. Articulated junction device according to claim 3, in which each of two first parts is preferably installed in the corresponding one of the two plates of the suspended structure, the said first parts cooperating with the two plates in the suspended structure

through surfaces in the form of portions of spheres together defining a ball joint type connection between the plates and the said parts.

5. Articulated junction device according to claim 4, in which intermediate parts forming ball joint cages are fixed in each of the two plates of the suspended structure and cooperate through internal surfaces in the form of portions of spheres with external surfaces of the first parts, in the form of portions of spheres.